



Day : Monday
Date: 10/31/2005

Time: 11:49:38

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name

First Name

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Additionally, enter the **first few letters** of the Inventor's First name.

Last Name

First Name

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Refine Search

Search Results -

Term	Documents
MEDIUM	2155740
MEDIUMS	50209
MEDIA	655693
MEDIAS	2047
SPINY	1148
SPINIES	4
SPINYS	1
NEURON	24714
NEURONS	28580
((MEDIUM ADJ SPINY) ADJ NEURON) AND 4).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	2
(L4 AND ((MEDIUM ADJ SPINY) ADJ NEURON)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	2

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L14

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Monday, October 31, 2005 [Printable Copy](#) [Create Case](#)

Set Name Query
 side by side

Hit Count

Set
Name
 result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES;
 OP=AND

<u>L14</u>	L4 and ((Medium adj spiny) adj neuron)	2	<u>L14</u>
<u>L13</u>	L6 not L9	13	<u>L13</u>
<u>L12</u>	L5 not L8	43	<u>L12</u>
<u>L11</u>	L9 and ((caudate adj nucleus) or putamen)	3	<u>L11</u>
<u>L10</u>	L8 and (lateral adj ventricle)	4	<u>L10</u>
<u>L9</u>	L7 and L6	3	<u>L9</u>
<u>L8</u>	L7 and L5	28	<u>L8</u>
<u>L7</u>	(neuron) same (inducing or induce or recruit or recruiting)	4931	<u>L7</u>
<u>L6</u>	L4 not L5	16	<u>L6</u>
<u>L5</u>	L4 and (vector)	71	<u>L5</u>
<u>L4</u>	L3 and noggin	87	<u>L4</u>
<u>L3</u>	((Brain adj derived) adj (neurotrophic adj factor)) or BDNF	3204	<u>L3</u>
<u>L2</u>	L1 and (BDNF and noggin)	2	<u>L2</u>
<u>L1</u>	Goldman-Steven-A\$.in.	34	<u>L1</u>

END OF SEARCH HISTORY

Welcome to DialogClassic Web(tm)

Dialog level 05.07.12D
Last logoff: 27oct05 15:29:05
Logon file001 31oct05 13:17:42

*** ANNOUNCEMENT ***

--UPDATED: Important Notice to Freelance Authors--
See HELP FREELANCE for more information

NEW FILES RELEASED

***Inspec (File 202)
***Physical Education Index (File 138)
***Computer and Information Systems Abstracts (File 56)
***Electronics and Communications Abstracts (File 57)
***Solid State and Superconductivity Abstracts (File 68)
***ANTE: Abstracts in New Technologies (File 60)

RELOADS COMPLETED

*** The 2005 reload of the CLAIMS files (Files 340, 341, 942)
is now available online.

RESUMED UPDATING

***ERIC (File 1)

Chemical Structure Searching now available in Prous Science Drug
Data Report (F452), Prous Science Drugs of the Future (F453), IMS R&D Focus (F445/95
Facts (F390), and Derwent Chemistry Resource (F355).

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
>>> of new databases, price changes, etc. <<<

KWIC is set to 50.

HIGHLIGHT set on as ' '

* * *

File 1:ERIC 1966-2005/Sep 30

(c) format only 2005 Dialog

***File 1: The database is now current with Monthly Updates.**

Set	Items	Description
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Cost is in DialUnits

?

B 155, 5, 73

31oct05 13:17:59 User259876 Session D814.1

\$0.80 0.228 DialUnits File1

\$0.80 Estimated cost File1

\$0.06 INTERNET

\$0.86 Estimated cost this search

\$0.86 Estimated total session cost 0.228 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1951-2005/Oct 31

(c) format only 2005 Dialog

File 5:Biosis Previews(R) 1969-2005/Oct W4

(c) 2005 BIOSIS

File 73:EMBASE 1974-2005/Oct 28

(c) 2005 Elsevier Science B.V.

Set	Items	Description
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?

S ((BRAIN (W) DERIVED (W) NEUROTROPHIC (W) FACTOR) OR BDNF) AND NOGGIN

1760329 BRAIN

1040503 DERIVED

41692 NEUROTROPHIC

2406803 FACTOR

16572 BRAIN(W) DERIVED (W) NEUROTROPHIC (W) FACTOR

13122 BDNF

1937 NOGGIN

S1 9 ((BRAIN (W) DERIVED (W) NEUROTROPHIC (W) FACTOR) OR BDNF)
AND NOGGIN

?

RD

...completed examining records

S2 7 RD (unique items)

?

T S2/3,K/ALL

2/3,K/1 (Item 1 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2005 Dialog. All rts. reserv.

15228207 PMID: 14999064

Adenovirally expressed noggin and brain□-□ derived neurotrophic factor cooperate to induce new medium spiny neurons from resident progenitor cells in the adult striatal ventricular zone.

Chmielnicki Eva; Benraiss Abdellatif; Economides Aris N; Goldman Steven A
Department of Neurology and Neuroscience, Cornell University Medical
College, New York, New York 10021, USA.

Journal of neuroscience - the official journal of the Society for
Neuroscience (United States) Mar 3 2004, 24 (9) p2133-42, ISSN
1529-2401 Journal Code: 8102140

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Adenovirally expressed noggin and brain□-□ derived neurotrophic factor cooperate to induce new medium spiny neurons from resident progenitor cells in the adult striatal ventricular zone.

... from endogenous progenitor cells in the adult forebrain ventricular wall may be induced by the local viral overexpression of cognate neuronal differentiation agents, in particular **BDNF**. Here, we show that the overexpression of **noggin**, by acting to inhibit glial differentiation by subependymal progenitor cells, can potentiate adenoviral **BDNF**-mediated recruitment of new neurons to the adult rat neostriatum. The new neurons survive at least 2 months after their genesis in the subependymal zone...

Descriptors: *Adenoviridae--genetics--GE; *Bone Morphogenetic Proteins
--biosynthesis--BI; * Brain - Derived Neurotrophic Factor
--biosynthesis--BI; *Neurons--metabolism--ME; *Stem Cells--metabolism--ME;
Animals; Bone Morphogenetic Proteins--genetics--GE; Bone Morphogenetic
Proteins--pharmacology--PD; Brain - Derived Neurotrophic Factor
--genetics--GE; Brain - Derived Neurotrophic Factor --pharmacology
--PD; Bromodeoxyuridine; Cell Differentiation--drug effects--DE; Cell

Differentiation--genetics--GE; Fluorescent Dyes; Gene Transfer Techniques;
 Genetic Vectors--administration and dosage--AD; Genetic Vectors...
 Chemical Name: Bone Morphogenetic Proteins; **Brain - Derived**
Neurotrophic Factor ; Fluorescent Dyes; Genetic Vectors; Stilbamidines;
 fluorescing gold; **noggin** protein, human; Bromodeoxyuridine

2/3,K/2 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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0014314847 BIOSIS NO.: 200300269380

**NOGGIN INCREASES BDNF - INDUCED STRIATAL NEURONAL RECRUITMENT BY
 INHIBITING GLIOGENESIS FROM ENDOGENOUS PROGENITOR CELLS.**

AUTHOR: Chmielnicki E (Reprint); Benraiss A (Reprint); Economides A N;
 Goldman S A (Reprint)

AUTHOR ADDRESS: Neurology, Cornell U. Medical Col., NY, NY, USA**USA

JOURNAL: Society for Neuroscience Abstract Viewer and Itinerary Planner

2002 pAbstract No. 113.12 2002 2002

MEDIUM: cd-rom

CONFERENCE/MEETING: 32nd Annual Meeting of the Society for Neuroscience
 Orlando, Florida, USA November 02-07, 2002; 20021102

SPONSOR: Society for Neuroscience

DOCUMENT TYPE: Meeting; Meeting Poster; Meeting Abstract

RECORD TYPE: Abstract

LANGUAGE: English

**NOGGIN INCREASES BDNF - INDUCED STRIATAL NEURONAL RECRUITMENT BY
 INHIBITING GLIOGENESIS FROM ENDOGENOUS PROGENITOR CELLS.**

ABSTRACT: The neuronal differentiation factor **BDNF** induces neuronal
 recruitment from adult VZ progenitor cells. In this study, we asked if
noggin , an inhibitor of pro-gliogenic BMPs, might potentiate **BDNF**
 -induced neuronal production. To this end, adenoviral **noggin**
 (AdNoggin), alone or in combination with AdBDNF, was injected into the
 lateral ventricle of adult rats. Their controls received AdGFP (AdNull)
 or PBS. All rats...

...sacrificed, and their brains cut sagittally at 15mum. AdNoggin-injected
 rats had >90% fewer VZ BrdU+/GFAP+ cells than did their AdNull controls,
 suggesting that **noggin** inhibits glial differentiation of VZ
 progenitors. In the striatum, AdNoggin alone did not increase addition of
 BrdU+ neurons. However, AdNoggin/AdBDNF co-injected animals harbored...

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: **noggin** ; **BDNF** {☐brain☐ -☐derived☐
neurotrophic factor }--

GENE NAME: rat **noggin** gene (Muridae...

...rat **BDNF** gene (Muridae) {rat **brain** -☐derived **neurotrophic factor**☐
 gene}

2/3,K/3 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2005 BIOSIS. All rts. reserv.

0013348006 BIOSIS NO.: 200100519845

**Adenoviral infection of the adult rat ventricular zone to overexpress
 noggin and BDNF increases neuronal recruitment from endogenous
 progenitor cells**

AUTHOR: Chmielnicki E (Reprint); Benraiss A (Reprint); Rosenow J (Reprint);
 Shore E; Kaplan F; Economides A N; Goldman S A (Reprint)
 AUTHOR ADDRESS: Dept. of Neurology, Cornell U. Med. Col., New York, NY, USA
 **USA
 JOURNAL: Society for Neuroscience Abstracts 27 (1): p939 2001 2001
 MEDIUM: print
 CONFERENCE/MEETING: 31st Annual Meeting of the Society for Neuroscience
 San Diego, California, USA November 10-15, 2001; 20011110
 ISSN: 0190-5295
 DOCUMENT TYPE: Meeting; Meeting Abstract
 RECORD TYPE: Abstract
 LANGUAGE: English

**Adenoviral infection of the adult rat ventricular zone to overexpress
 noggin and BDNF increases neuronal recruitment from endogenous
 progenitor cells**

ABSTRACT: Neuronal production from ventricular zone (VZ) progenitor cells
 of the adult rat brain can be induced by neuronal differentiation agents,
 such as **BDNF** and its adenoviral expression vector, AdBDNF. In this
 study, we asked if neuronal production by VZ progenitors might also be
 stimulated by the suppression of glial differentiation using **noggin**, an
 inhibitor of the pro-gliogenic BMPs. We also asked if neuronal induction
 could be further stimulated by concurrent overexpression of **BDNF**.
 DELTAE1 adenoviruses were made to encode, under CMV control, either
 DELTAB2 **noggin** (whose heparin binding site was deleted), or **BDNF** (as
 an IRES:hGFP). Three groups of 250g rats were injected intraventricularly
 with either AdNoggin, AdNoggin and AdBDNF together, or an AdGFP control.
 All 12...

...AdNoggin/AdBDNF-injected rats experienced an even greater 2.5-fold
 increase. In each group, >90% of the BrdU+ cells expressed neuronal
 betaIII-tubulin. Thus, **noggin** overexpression increased olfactory
 neuronal recruitment; this effect was accentuated by **BDNF** expression,
 such that both the suppression of glial and promotion of neuronal
 differentiation pathways proved viable means for inducing neuronal
 addition to the adult rat...

DESCRIPTORS:

CHEMICALS & BIOCHEMICALS: **BDNF** { brain -[derived neurotrophic]
factor }--...

... **noggin** --

2/3,K/4 (Item 1 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2005 Elsevier Science B.V. All rts. reserv.

13163538 EMBASE No: 2005226028

Neural differentiation of murine embryonic stem cells ES

DIFFERENCIATION NEURALE DES CELLULES SOUCHES EMBRYONNAIRES

Cazillis M.; LeLievre V.; Gressens P.

P. Gressens, Inserm U.676, Physiopathologie et Neuroprotection des

Atteintes du Cerveau en Developpement, Hopital Robert-Debre, 48,

boulevard Serurier, 75935 Paris Cedex 19 France

Medecine/Sciences (MED. SCI.) (France) 2005, 21/5 (484-490)

CODEN: MSMSE ISSN: 0767-0974

DOCUMENT TYPE: Journal ; Review

LANGUAGE: FRENCH SUMMARY LANGUAGE: ENGLISH; FRENCH

NUMBER OF REFERENCES: 52

DRUG DESCRIPTORS:

...ec; fibroblast growth factor 2--endogenous compound--ec; bone morphogenetic protein 2--endogenous compound--ec; Smad protein--endogenous compound--ec; beta catenin--endogenous compound--ec; **noggin** --endogenous compound--ec; bone morphogenetic protein 4--endogenous compound--ec; Wnt protein--endogenous compound--ec; retinoic acid receptor alpha--endogenous compound--ec; fibroblast growth factor 8--endogenous compound--ec; transcription factor PAX7--endogenous compound--ec; hepatocyte nuclear factor 3--endogenous compound--ec; **brain derived neurotrophic factor** --endogenous compound--ec; neurotrophin 4--endogenous compound--ec; ciliary neurotrophic factor--endogenous compound--ec; retinoic acid

...CAS REGISTRY NO.: 7 (vasoactive intestinal polypeptide); 62229-50-9 (epidermal growth factor); 62395-38-4 (Smad protein); 164003-41-2 (fibroblast growth factor 8); 218441-99-7 (**brain derived neurotrophic factor**); 148499-03-0 (neurotrophin 4); 302-79-4 (retinoic acid)

2/3,K/5 (Item 2 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2005 Elsevier Science B.V. All rts. reserv.

13033997 EMBASE No: 2005094549

Neurogenesis in the adult brain

Mackowiak M.; Chocyk A.; Markowicz-Kula K.; Wedzony K.

M. Mackowiak, Lab. of Pharmacol./Brain Biostruct., Department of Pharmacology, Polish Academy of Sciences, Smetna 12, PL 31-343 Krakow Poland

AUTHOR EMAIL: mackow@if-pan.krakow.pl

Polish Journal of Pharmacology (POL. J. PHARMACOL.) (Poland) 2004, 56/6 (673-687)

CODEN: PJPAE ISSN: 1230-6002

DOCUMENT TYPE: Journal ; Review

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 148

DRUG DESCRIPTORS:

...histone H3--endogenous compound--ec; bone morphogenetic protein --endogenous compound--ec; bone morphogenetic protein 4--endogenous compound--ec; bone morphogenetic protein receptor--endogenous compound--ec; **noggin** --endogenous compound--ec; growth factor--endogenous compound--ec; cyclin dependent kinase inhibitor 1B--endogenous compound--ec; **brain derived neurotrophic factor** --pharmacology--pd; **brain derived neurotrophic factor** --intracerebroventricular drug administration--cv; fibroblast growth factor 2--pharmacology--pd; fibroblast growth factor 2 --intracerebroventricular drug administration--cv; epidermal growth factor --pharmacology--pd; epidermal growth...

CAS REGISTRY NO.: 109770-29-8 (amyloid beta protein); 218441-99-7 (**brain derived neurotrophic factor**); 62229-50-9 (epidermal growth factor) ; 11070-68-1...

2/3,K/6 (Item 3 from file: 73)

DIALOG(R)File 73:EMBASE

(c) 2005 Elsevier Science B.V. All rts. reserv.

12855577 EMBASE No: 2004447184

Directed mobilization of endogenous neural progenitor cells: The intersection of stem cell biology and gene therapy
Goldman S.A.

S.A. Goldman, Univ. of Rochester Medical Center, Division of Cell and Gene Therapy, Department of Neurology, Rochester, NY 14642 United States

AUTHOR EMAIL: steven goldman@urmc.rochester.edu
 Current Opinion in Molecular Therapeutics (CURR. OPIN. MOL. THER.) (United Kingdom) 2004, 6/5 (466-472)
 CODEN: CUOTF ISSN: 1464-8431
 DOCUMENT TYPE: Journal ; Review
 LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
 NUMBER OF REFERENCES: 92

DRUG DESCRIPTORS:

noggin --drug combination--cb; **noggin** --drug development--dv; **noggin** --drug therapy--dt; **noggin** --pharmaceutics--pr; **noggin** --pharmacology--pd; **brain derived neurotrophic factor** --drug combination--cb; **brain derived neurotrophic factor** --drug development--dv; **brain derived neurotrophic factor** --drug therapy--dt; **brain derived neurotrophic factor** --pharmaceutics--pr; **brain derived neurotrophic factor** --pharmacology--pd; epidermal growth factor--drug therapy--dt; epidermal growth factor--pharmaceutics--pr; epidermal growth factor--pharmacology--pd; fibroblast growth factor 2--drug therapy--dt...
 CAS REGISTRY NO.: 218441-99-7 (**brain derived neurotrophic factor**); 62229-50-9 (epidermal growth factor); 127464-60-2 (vasculotropin); 9001-45-0 (beta glucuronidase)

2/3,K/7 (Item 4 from file: 73)

DIALOG(R) File 73:EMBASE

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12370654 EMBASE No: 2003485452

Multiple neurotrophic signalling: Certain TGF molecules are involved in retinal development and maturation, but do they complement one another's actions?

Carri N.G.

N.G. Carri, Molecular Biology, IMBICE, Camino Belgrano y 526, La Plata 1900 Argentina

AUTHOR EMAIL: ngcarri@imbice.org.ar

Cell Biology International (CELL BIOL. INT.) (United Kingdom) 2003, 27/12 (1033-1036)

CODEN: CBIIE ISSN: 1065-6995

DOCUMENT TYPE: Journal ; Note

LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 61

DRUG DESCRIPTORS:

...endogenous compound--ec; neurotrophin 4--endogenous compound--ec; neurotrophin receptor--endogenous compound--ec; neurotrophin 3 receptor --endogenous compound--ec; nerve growth factor--endogenous compound--ec; **brain derived neurotrophic factor** --endogenous compound--ec; transforming growth factor beta--endogenous compound--ec; transforming growth factor betal--endogenous compound--ec; osteogenic protein 1 --endogenous compound--ec; **noggin** --endogenous compound--ec; unclassified drug
 CAS REGISTRY NO.: 76057-06-2 (transforming growth factor); 148499-03-0 (neurotrophin 4); 9061-61-4 (nerve growth factor); 218441-99-7 (**brain derived neurotrophic factor**)
 ?

```

Set      Items  Description
S1        9    ((BRAIN (W) DERIVED (W) NEUROTROPHIC (W) FACTOR) OR BDNF) -
              AND NOGGIN
S2        7    RD (unique items)
?
```

```

S(NOGGIN) AND (VECTOR AND (LATERAL (W) VENTRICLES))
    1937  NOGGIN
    295762 VECTOR
    358681 LATERAL
    102307 VENTRICLES
    6484  LATERAL(W)VENTRICLES
S3        1    (NOGGIN) AND (VECTOR AND (LATERAL (W) VENTRICLES))
?
```

T S3/3,K/ALL

3/3,K/1 (Item 1 from file: 155)
 DIALOG(R) File 155:MEDLINE(R)
 (c) format only 2005 Dialog. All rts. reserv.

16458546 PMID: 15473985

SVZa neural stem cells differentiate into distinct lineages in response to BMP4.

Liu Shi-Yong; Zhang Zhi-Yuan; Song Ye-Chun; Qiu Ke-Jun; Zhang Ke-Cheng; An Ning; Zhou Zheng; Cai Wen-Qin; Yang Hui

Department of Neurosurgery, Xinqiao Hospital, Third Military Medical University, Chongqing 400037, China.

Experimental neurology (United States) Nov 2004, 190 (1) p109-21,
 ISSN 0014-4886 Journal Code: 0370712

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

... at various concentrations were tested for their capacity to induce SVZa NSCs. The expression of BMP4 was also examined in living cells using a reporter **vector**, in which the BMP4 promotor was conjugated with red fluorescent protein (RFP). In the meantime, the differentiation of SVZa NSCs was dynamically monitored by using...

... ng/ml) of BMP4 inhibited this proliferation. BMP4 enhanced neuron commitment before 4 days but inhibited it after 4 days. As the antagonist of BMP4, **Noggin** almost completely blocked all these BMP4 responses. Thus, our findings indicate that BMP4 promotes the exit from the cell cycle and triggers the differentiation of...

Descriptors: *Bone Morphogenetic Proteins--pharmacology--PD; *Cell Differentiation--drug effects--DE; *Cell Lineage--drug effects--DE; ***Lateral Ventricles** --cytology--CY; *Neurons--drug effects--DE; *Stem Cells--drug effects--DE

...Chemical Name: Fibrillary Acidic Protein; Intermediate Filament Proteins; Luminescent Proteins; Nerve Tissue Proteins; Proteins; RNA, Messenger; Recombinant Fusion Proteins; bone morphogenetic protein 4; nestin; red fluorescent protein; **noggin** protein; Tyrosine 3-Monooxygenase
 ?

S (HUNTINGTON'S (W) DISEASE) AND (BDNF AND NOGGIN)

>>>Warning: unmatched quote found

0 HUNTINGTON'S
 6165773 DISEASE

0 HUNTINGTON'S (W) DISEASE
 13122 BDNF
 1937 NOGGIN
 S4 0 (HUNTINGTON'S (W) DISEASE) AND (BDNF AND NOGGIN)

?

Set	Items	Description
S1	9	((BRAIN (W) DERIVED (W) NEUROTROPHIC (W) FACTOR) OR BDNF) - AND NOGGIN
S2	7	RD (unique items)
S3	1	(NOGGIN) AND (VECTOR AND (LATERAL (W) VENTRICLES))
S4	0	(HUNTINGTON'S (W) DISEASE) AND (BDNF AND NOGGIN)

?

COST

```

3loct05 13:23:18 User259876 Session D814.2
  $1.61    0.472 DialUnits File155
    $0.44  2 Type(s) in Format  3
    $0.44  2 Types
$2.05 Estimated cost File155
  $2.11    0.358 DialUnits File5
    $0.32  2 Type(s) in Format 95 (KWIC)
    $0.32  2 Types
$2.43 Estimated cost File5
  $4.24    0.398 DialUnits File73
    $11.76 4 Type(s) in Format  3
    $11.76 4 Types
$16.00 Estimated cost File73
  OneSearch, 3 files, 1.229 DialUnits FileOS
  $1.60 INTERNET
$22.08 Estimated cost this search
$22.94 Estimated total session cost 1.457 DialUnits
  
```

?

Return to logon page!